

Squaw Island Subwatershed

Barnstable, Cape Cod, Massachusetts

The Squaw Island Subwatershed is located in Barnstable. It has an area of 1,478 acres. Route 28 runs through the northern portion of this watershed and West Main Street through the center of it. The whole area is intensely developed, except for a portion in the south around Halls Creek. Halls Creek is the waterbody that creates Squaw Island at the southern end of this subwatershed.

Shellfishing in the inner harbor is permanently prohibited and closed seasonally in adjacent areas. Stormwater discharges are thought to be the major cause of the decreased water quality.

Approximately one-quarter of the Town of Barnstable is municipally sewered. The sewered area of Barnstable extends from the Cape Cod Hospital up Route 132 to Independence Park, with an extension that serves Barnstable Village. The town completed a Draft DEP Wastewater Facilities Plan. Town water is supplied to most Barnstable residents through five separate water districts.

Stewards:

- B.A.R.S. (Barnstable Association of Recreational Shellfishing)

Studies conducted in the watershed:

- Cape Cod Atlas of Tidally Restricted Salt Marshes. 2001. Cape Cod Commission.

Who is collecting water quality data and where:

- Unknown

Management actions taken:

- Fall 2001 – Hyannis Inner Harbor Stormwater Mitigation Assessment Project, a Coastal Pollution Remediation grant from MA Coastal Zone Management. This assessment project will identify and quantify discharges, collect and analyze stormwater data, identify potential BMPs, solicit input from stakeholders, and develop a budget and preliminary designs for the selected BMPs.
- Town of Barnstable is participating in Southeastern Massachusetts Aquaculture Center's scallop restoration project, with the goal of populating Barnstable embayments with bay scallops by establishing broodstock sanctuaries.
- Town of Barnstable broadcasted 236,900 two-year-old quahogs on the Southside in Summer 2001.
- The Town of Barnstable is applying for State Revolving Fund (SRF) funds for a Nutrient Management Planning Project. This is a comprehensive project to manage wastewater, stormwater, and fertilizer loadings that are causing nutrient and other water quality related problems to the town's coastal and fresh water bodies. Project area includes the entire Town of Barnstable, Shoestring Bay recharge area of the Popponesset Bay Watershed, Three Bay Subwatershed, Centerville River/East Bay Subwatershed, and Barnstable Harbor Subwatershed.

Subwatershed facts: (For data sources see the Appendix)

- 21 E sites: 3 - located at The Straight Way on Straight Way; the corner of Arrowhead and Tevyan Roads; and the Cumberland Farms on West Main Street
- Solid waste sites: none
- Zone IIs located in this watershed: 2
- Interim Wellhead Protection Areas (IWPAs): 1
- Percent of the undeveloped land that is protected (according to 1985/1990 data): 24.0%
- Acres of existing wetlands: 107
- Certified vernal pools: none
- Named freshwater ponds: Schoolhouse, Simmons, Dunns
- Named rivers or creeks: Halls Creek
- 1998 Massachusetts 303(d) List of Impaired Waterbodies: Hyannis Harbor – pathogens.
- Shellfish growing areas: Halls Creek is prohibited. Shellfishing in the Hyannis Inner Harbor is permanently prohibited. Closed seasonally in adjacent areas.
- This watershed contains Natural Heritage and Endangered Species Program (NHESP) Estimated Habitats of Rare Wildlife.

Priorities:

- Dunn, School House, and Simmons Ponds need volunteers to participate in the Pond and Lakes Stewardship Project (PALS), measuring water quality and other characteristics of the ponds.
- Implement those salt marsh restoration projects identified in the 2001 *Cape Cod Atlas of Tidally Restricted Salt Marshes* that have been evaluated and prioritized by the town. Sites are: Hyannisport Golf Club cart path over Halls Creek (BA-15), Marchant's Mill Road restriction of Halls Creek (BA-16).
- Parcels considered a priority for acquisition for water supply protection and development: Barnstable Tracts 2, 3, 4, 5, 7, 14, 16, 17, 19, 21, 24, 26, 27, 29, 31, 35, 37, 41, 43, 45, 48, 49, 53, 55, and 56 were ranked as having medium or high water supply development potential in the Cape Cod Commission's *Priority Land Acquisition Assessment Project* (April 1999). These tracts are located throughout the Town of Barnstable.

Recreation:

Camping areas: none

Golf courses:

- Hyannisport Club

Pathways and trails:

- www.capecodcommission.org/pathways/trailguide.htm

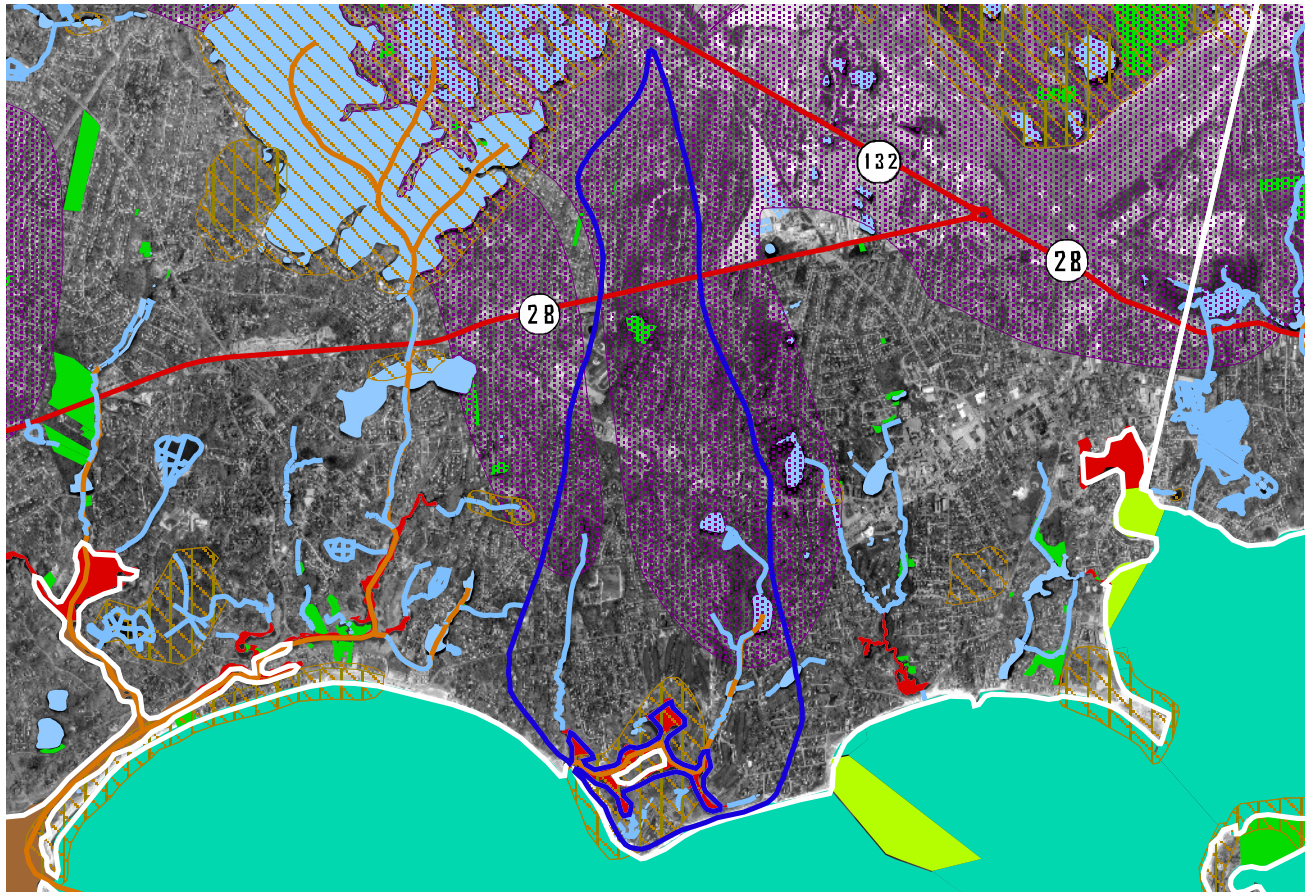
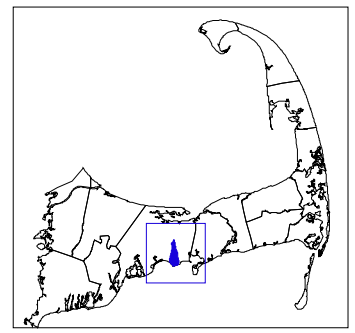
Public access:

- www.state.ma.us/dfwele/pab/pabSEmap.htm

Public beaches and landings: none

Squaw Island

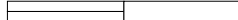
Barnstable, MA



Watershed Resources



0 0.5 1 Miles



Natural Heritage and Endangered Species Program Data

- Certified Vernal Pool
- Priority Habitats of Rare Species
- Estimated Habitats of Rare Species

Groundwater Protection Areas

- Interim Wellhead Protection Area
- Zone II
- Solid Waste Facility

Watershed Boundary

Anadromous Fish Run

Shellfish Growing Areas

- APPROVED
- CONDITIONALLY APPROVED
- MANAGEMENT CLOSURE
- PROHIBITED
- RESTRICTED

Open Space

Streams

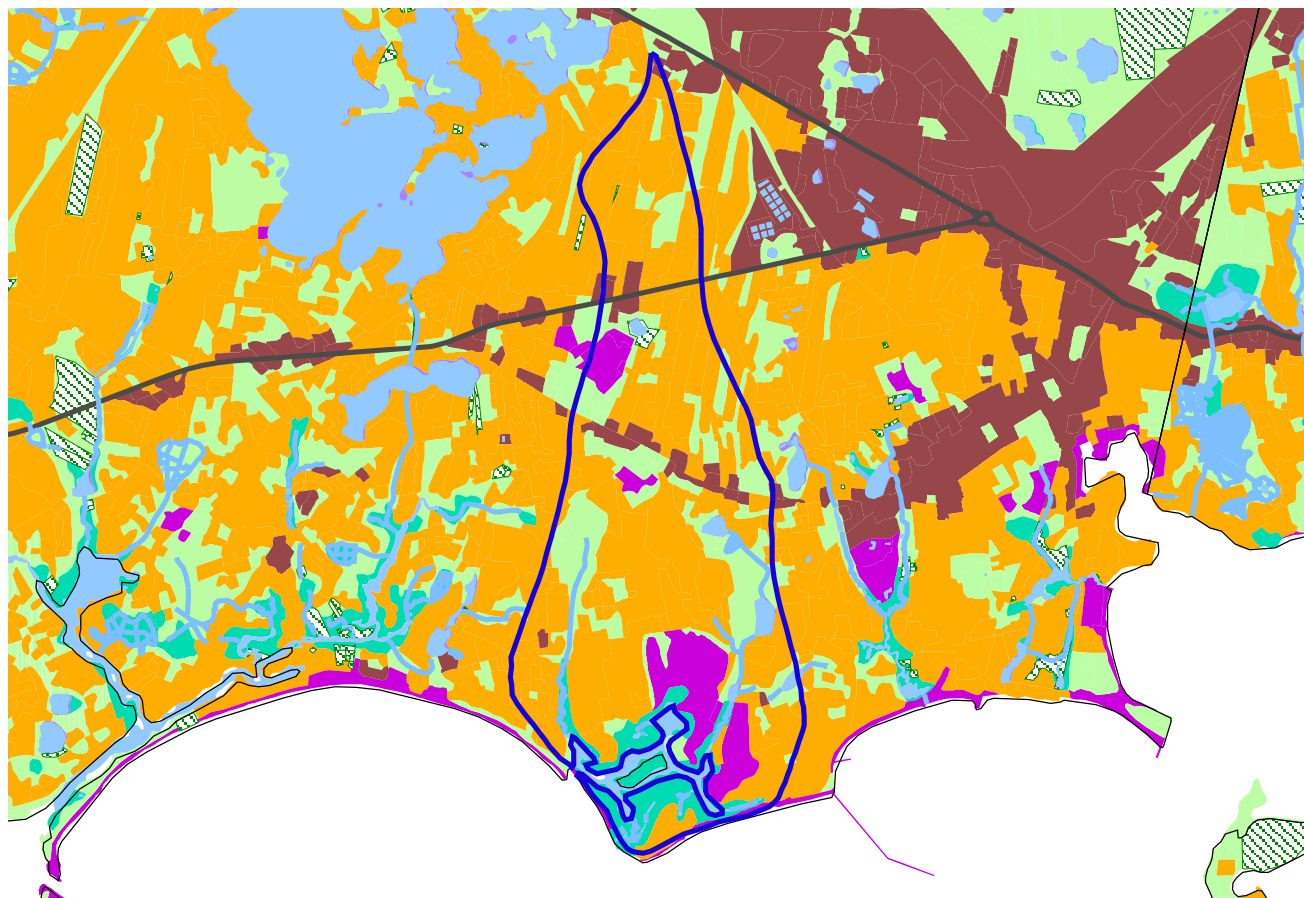
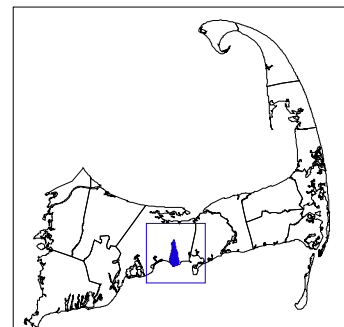
Ponds

Roads

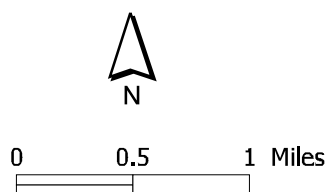


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Land Use



Land Use

